

AMENDMENTS TO THE SPECIFICATION

Please replace the first full paragraph on page 8 of the specification with the following amended paragraph:

FIG. 18 is a graph showing the spectrum of interference light due to the substrate itself (solid line), the spectrum of interference light due to the optical interference unit (target detection substrate) of the present invention itself (dashed line), and the spectrum of interference light when this optical unit (target detection substrate) captures a detection target (bold line).

Please replace the paragraph bridging pages 58 and 59 of the specification with the following amended paragraph:

The optical interference unit, i.e., the laminated film formed on the pre-colored substrate, was immersed in an aqueous solution ($1.1 \times 10^{-7} \text{M}$) of avidin as the detection target, and biotin as the target capturing body in the optical interference unit was made to interact (adsorption reaction) with avidin which was the detection target. The cross-sectional surface area of avidin was a little less than about 30 nm^2 ($3 \text{ nm} \times 3 \text{ nm} \times 3.14$). FIG. 13 is a schematic diagram of the interaction (adsorption reaction) of biotin 10c and avidin 1 in this example, FIG. 14 is a schematic diagram showing the state where the optical interference unit is immersed in the aqueous solution of avidin and non-target molecules 2, and FIG. 15 is a schematic diagram showing the interaction (adsorption reaction) of biotin in the optical detection unit with avidin in the aqueous solution of avidin. Subsequently, this optical detection unit was washed with pure water.